

Defense Strategy and Tramsformati Martin On 15 mynomar

Air Force Materiel Command



The Air Force

VISION

AF Vision Engagement 1990

- Glob
- Global Reach

Tains constructs **CSAF Perspe**

- Persis*
- tive Battlespace areness
- **One Time of Flight**

- QDR 200 Persinged Callabilities

 Persinged Callabilities

Air Force S&T <u>vision</u>

AF Vision Engagement 1990

- Glob?
- Global reach

core strategic capabilities **CSAF** ANTICIPATE QDR 200 organizing constit

- er the Target
 - ctive Battlespaçe areness ASSESS
- One Time of Flight

ENGAGE/ TRACK

TARGÉT

Cyber

ANYONE, ANYTIME, ANYWHERE

Focused Long-Term AF Organizing Constructs Challenges

Persistence

Cursor Over the Target

Predictive
Battlespace
Awareness

One Time of Flight



Globally Maneuver to / thru
Denied Environments

Tailored, Persistent Collection for PBA

Collect / Deliver Effects for Difficult Urban Targets

Remotely Sense and Render Ineffective CBRNE

Covertly Deliver Cyber Effects

Anticipatory Synchronized Operations

Complete All Missions with Impunity

Sustainment Transformation thru

Focused Long-Term Challenges

Persistence

Cursor Over the Target

Predictive Battlespace
Awareness

One Time of Flight

Tactical Space Access and Operations Globally Maneuver to / thru **Denied Environments** Tailored, Persistent Collection for P ANTICIPATE Space Collect / Deliver Difficult Urba Remotely Sense and Ineffective CERNAGE Covertly Deliver Cyber Effects ANYONE, ANYTIME, ANYWHERE **Anticipatory Synchronized Operations** Complete All Missions with **Impunity** Sustainment Transformation

thru Technology (ST3)

Air Force Materiel Command



AF Acquisition

Today

Despite World Class Performance...

AMRAAM

C-17

F/A-22

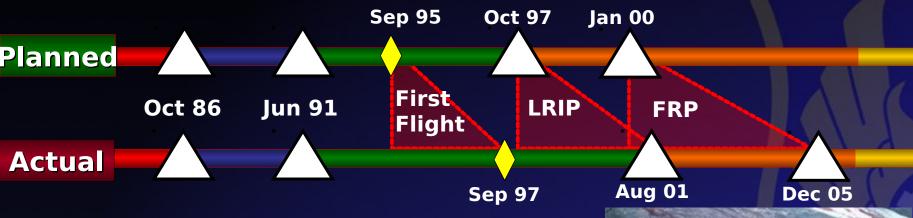


Small Diameter Bomb

...There Are Serious Shortcomings in the Way We Conduct Our Acquisition Process

F/A-

22



Requirements & Configuration Control

- Total Numbers of Aircraft
- Air to Ground Capability
- Link 16

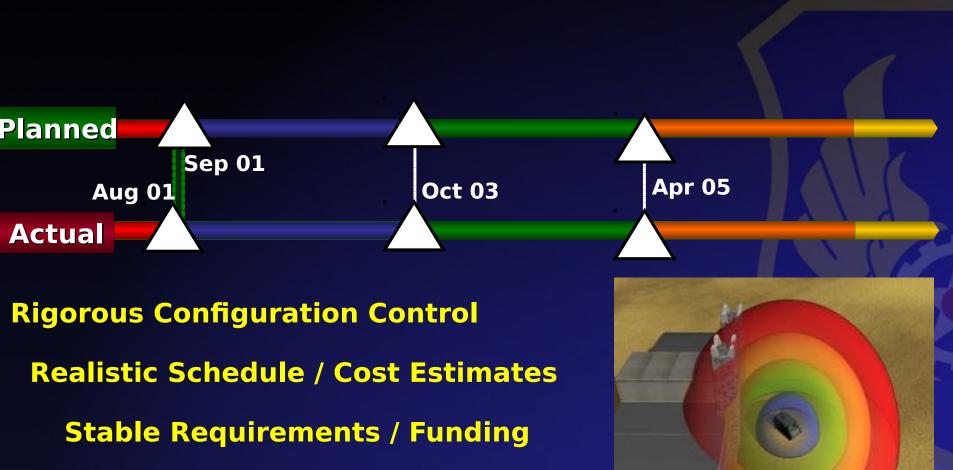
Realistic Cost / Schedule

- Technical Challenges Greater Than Anticipated
- Systems Integration
- · Contractor Performance Program Managemei
 - Systems Engineering
 - Quality Control
 - Manufacturing Process



Small Diameter

Bomb



Disciplined Program Management

Acquisition Shaping

Factors

Implementatio Environme Policy 200 **Space** Split **GWOT** Acquisition **Commission Industry** A/C, Armament, & C2 Program Executive FAR Part 12 Consolidation **Office Restructure Procurement** Federal Acquisition 200 **New DoD 5000 Requirements Act Holiday** Series Federal Acquisition **Downsizing** TSPR / TSSR Streamlining Act Peace **Dividend** Clinger-**COTS - Commercial Cohen Act** Off-the-Shelf **Desert Storm Acquisition** Mil-Specs / Mil-**End of the** Reform **Standards Cold War 199** Baldridge / JD **Elimination** Goldwater **Power Nichols Act Developmental Awards** New Dobt 5000 **Packard US Quality Commission Movement Series** Japanese in **Program Executive** Industry **Contracting Office Creation** Boom **New Dod 5000** Grace **Acquisition 198 Commission Overruns Series**

0

Aerospace

Industry

GD Ft. Worth MEL Defense Systems Sanders Associates Lockheed

GE Aerospace Business Martin Marietta

Gould (Ocean Systems) **GD Space Systems**

Honeywell (Electric-optics) Fairchild Westan Systems

Loral

Goodvear Aerospace **BDM International**

Librascope

LTV (Missile Business) **IBM Federal Systems**

Unix (Defense Electronics) Comsat

Jeppensen Sanderson **Hughes Helicopters**

McDonnell Douglas

Boeing Argo Systems **Litton Precision Gear Rockwell International**

Automatic

CAE Link

Magnavox Electronics GD (Missile Business) **Radiffusion Simulation**

Hughes Aircraft GM (Hughes Aircraft) Corporate lets

Raytheon

E-Systems **Chrysler Tech Airborne**

TI Defense

1980

Princess Technologies GTS Govt Systems NASCO Holdings Teledse Vehicle Systems

Bath Iron Works Cessna Aircraft **Chrysler Defense General Dynamics**

Ceridian's Computing Devises Int'l

Defense and Armament Sys Gulf Stream Aerospace

K-C Aviation

Galaxy Aerospace

Hughes Electronic Satellite Motorola Info Sys Groupratt & Whitney **Avondale Industries**

TASC

Garrett Aviation

Allison

General Electric

PRC

GI Defense Litton Industries

Varian (Solid State Elec.)

Grumman Northrop

Marine Sys Group of Allian Teought Aircraft

Westinghouse Defense Syscon

Logicon Geodynamics **Ryan Aeronautical**

Comptek **Federal Data** Steering Software Aerojet

Newport News Shipping

TRW

Lockheed,

Martin

Hughes Electronics

Boeing

Raytheon

Post Consolidation

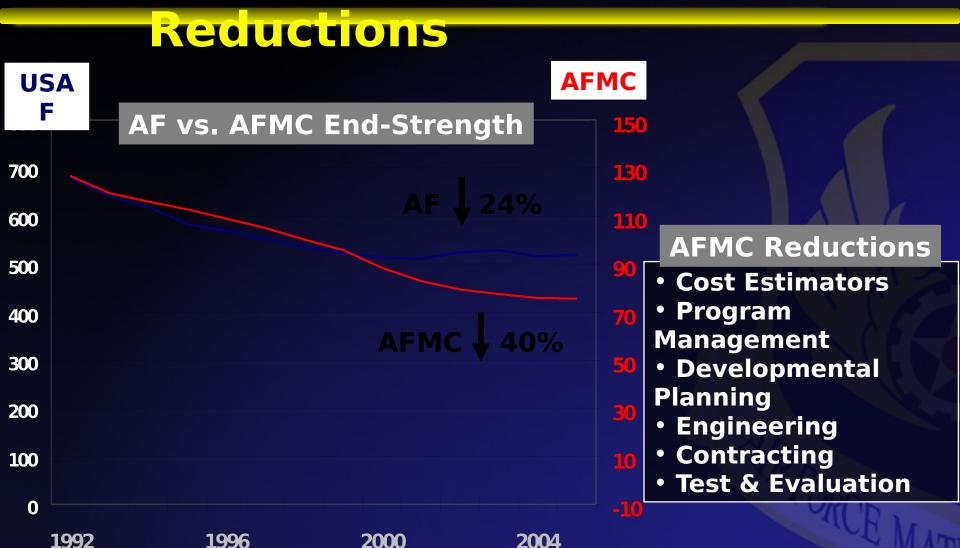
Int'l

General **Dynamics**

Northrop Grumman

Other

AF End-Strength



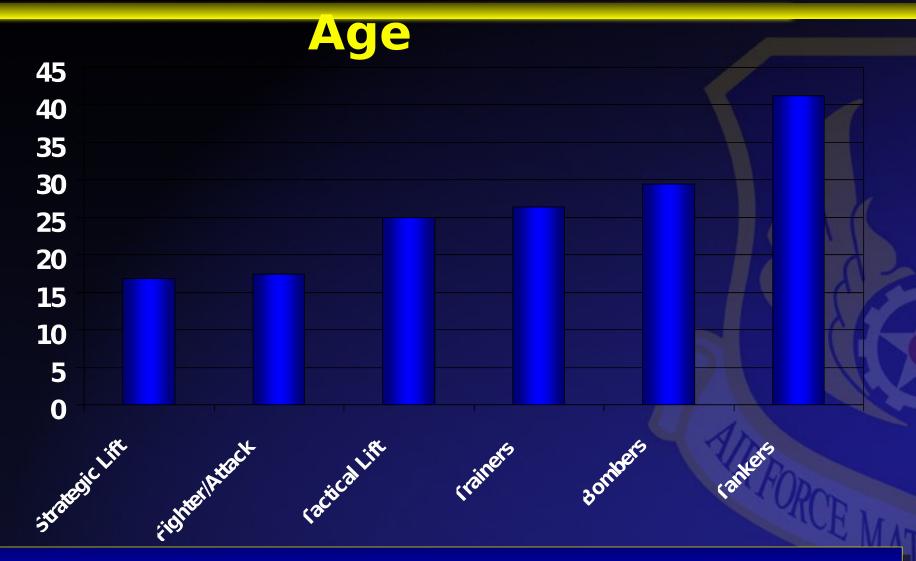
The Path Ahead

- Develop More Rigorous Program Management Training and Accountability Standards
- Develop and Program to Realistic Cost Estimates
- Ensure Industrial Base Provides for Adequate Competition
- Ensure Our Contract Awards Allow Appropriate Oversight

Air Force Materiel Command



Aircraft



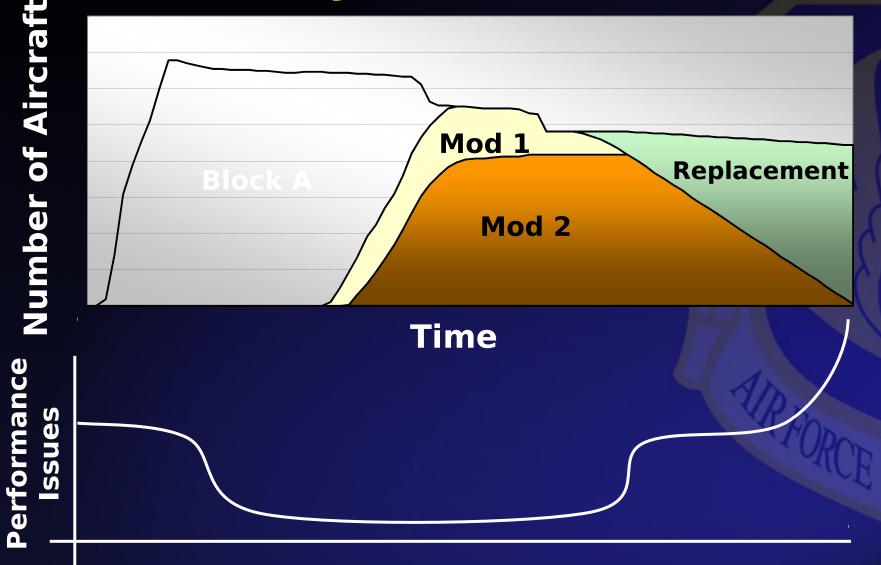
Average Age of AF Aircraft: 27

Voarc

MDS Life-



Number of Aircraft



Expeditions is the 21st Century:

Transformation

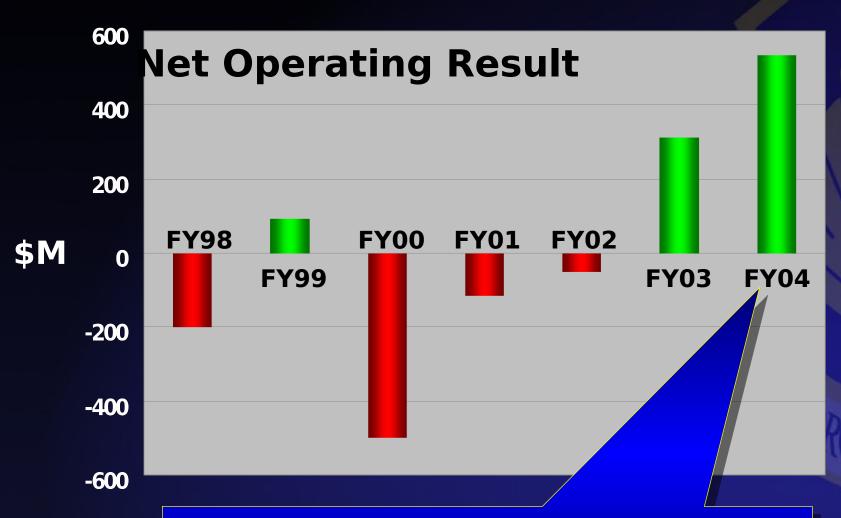




(DMT) (PSCM) (PSNbtional Goals

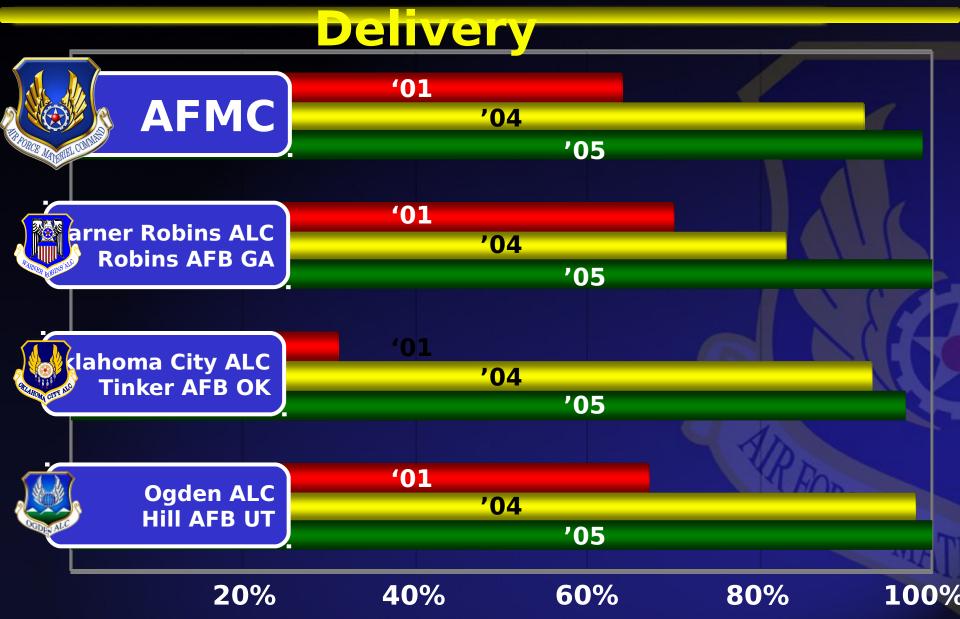
Transformation

Depot Manie Activity Group / Materiel Support Divi



\$570M Returned for

On-Time



PSCM Transformation: Commodity Councils

Air Force
Spares
Procurement
26,824 Total

Line Items

Landing Gear Support Equipment Instruments A/C Accessories **Secondary Power Communication Electronics** A/C Propulsion A/C Structural

92% of Air Force Spares Transactions

PSCM Transformation: Commodity Councils

Commodity Council

Air Force
Spares
Procurement

26,824 Total Line Items

Landing Geaf 1,Supporting Company **Instruments** A/C Accessories **Secondary Power Communication Electronics A/C Propulsion** A/C Structural



PSGM restosformation: Remultity Odwasils



Strategies for Propulsion & A/C Structural to Be Complete by Jul & Sep 05

Product Support Campaign

Total Life Cycle System Management

Concept Refineme nt

Technology Developme nt

System Developmen t and **Demonstrati**

Production and **Deployment**

Operations and Support

- Anticipation of Sustainment Issues
- Life Cycle Cost

- Sustainment **Process and Resource Planning**
- Sustainment

- System **Modernization and Upgrade**
- Recapitalization nning Infrastructure Analysis and • Continuous Develo្អាញក្នាក្នុង Effective Tecpព្រះក្នុង Orders
- Manpower Requirements and Assignment Planning

Life-Cycle Logistics

The Bottom

Line

Our Vision...

To Be A Valued Team Member . . .

Of The World's Most Respected
Air & Space Force

War-Winning Capabilities...On Time, On

